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PTO/SB/21 (04-04)

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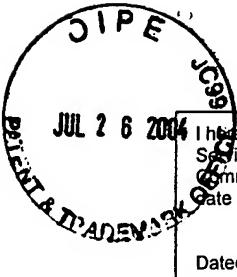
		Application Number	10/824957
		Filing Date	April 14, 2003
		First Named Inventor	Arthur D. Ballard
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission		Attorney Docket Number	10884-00023-US

### ENCLOSURES (Check all that apply)

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Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	CONNOLLY BOVE LODGE & HUTZ LLP Liza D. Hohenschutz - 33,712
Signature	
Date	July 30, 2004



JUL 26 2004 I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 7/20/04

Signature:

Docket No.: 10884-00023-US  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Arthur D. Ballard et al.

Application No.: 10/824957

Confirmation No.: Not Yet Assigned

Filed: April 14, 2003

Art Unit: Not Yet Assigned

For: DELIVERY SYSTEMS OF  
HOMOGENEOUS, THERMOREVERSIBLE  
ALGINATE FILMS

Examiner: Not Yet Assigned

### INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent,

publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 10884-00023-US. A duplicate copy of this paper is enclosed.

Dated: *July 10, 2004*

Respectfully submitted,

By *Liza D. Hohenschutz*  
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Substitute for form 1449A/B/PTO

**Complete If Known**

Application Number	10/824957
Filing Date	April 14, 2003
First Named Inventor	Arthur D. Ballard
Art Unit	N/A
Examiner Name	Not Yet Assigned

Sheet 1 of 2 Attorney Docket Number 10884-00023-US

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		3,962,482	6/8/1976	Uniroyal, Ltd.	
		3,956,173	5/11/1976	Hercules Incorporated	
		4,443,486	4/17/1984	FMC Corporation	
		4,096,327	6/20/1978	FMC Corporation	
		5,002,934	3/26/1991	Norton et al	
		5,051,304	9/24/1991	Societe Anonyme	
		5,264,223	11/23/1993	Japan Elanco Company, Ltd.	
		5,614,217	3/25/1997	R.P. Scherer Corporation	
		5,342,626	8/30/1994	Merck & Co., Inc.	
		5,431,917	7/11/1995	Japan Elanco Company, Ltd.	
		5,756,123	5/26/1998	Japan Elanco Co., Ltd.	
		5,620,757	4/15/1997	Mitsubishi Rayon Co., Ltd.	
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		5,569,466	10/29/1996	R. P. Scherer Corporation	
		5,820,259	10/13/1998	Q-Jet DSI, Inc.	
		6,375,981	4/23/2002	A. E. Staley Manufacturing Co.	
		6,099,876	8/8/2000	Yissum Research Development Co. of the Hebrew University	
		6,214,376	4/10/2001	Banner Pharmacaps, Inc.	
		6,326,028	12/4/2001	Monsanto Company	
		6,331,205	12/18/2001	Laurence Paris	
		6,340,473	1/22/2002	R.P. Scherer Technologies, Inc.	
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		6,375,981	4/23/2002	A. E. Staley Manufacturing Co.	
		6,635,275	10/21/2003	Warner-Lambert Company	
		2002/0122822	9/5/2002	Bunick et al	
		2003/0211146	11/13/2003	Scott et al	
		2003/0084641	5/8/2003	Tanner et al	
		2003/0085487	5/5/2003	Tanner et al	
		2003/0138482	7/24/2003	Fonkwe et al	
		2004/0052839	3/18/2004	Archibald et al	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		JP 3-53873	1991	Kotobuki Academy		X
		JP 3-12231	1991	Kotobuki Academy		X
		JP 62-186754	1987	Unicolloid Inc.		X
		JP 60-55039	1985			
		JP 63-164858	1988	Unicolloid Co. Ltd.		X
		WO 00/36930	06/29/2000	The Monsanto Company		
		WO 01/92401	12/6/2001	A.E. Staley Manufacturing Co.		
		WO 01/92400	12/6/2001	A.E. Staley Manufacturing Co.		
		WO 03/009832	2/6/2003	R.P. Scherer Holdings Pty Ltd		

Examiner Signature	Date Considered
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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
		Eleya, et al., "Rheology of k-carrageenan and B-lactoglobulin mixed gels", Food Hydrocolloids, vol. 14, pages 29-40, 2000.			
		Falshaw et al., "Structure and performance of commercial kappa-2 carrageenan extracts I. Structure analysis", Food Hydrocolloids, vol. 15, pages 441-452; 2001.			
		Villanueva et al., "Structure and functional performance of gigartinacean kappa-iota hybrid carrageenan and solieriacean kappa-iota carrageenan blends", Food Hydrocolloids. Vol. 18, pages 283-292; 2004.			
		Bixler et al., "Kappa-2 carrageenan: structure and performance of commercial extracts II. Performance in two simulated dairy application", Food Hydrocolloids, vol. 15, pages 619-630; 2001.			
		van de Velde et al., "On the structure of k/i-hybrid carrageenans", Carbohydrate Research, vol. 331, pages 271-283, 2001.			
		Gums and Stabilizers for the Food Industry; "Liquid Core Hydrocolloid-Oil Capsules"; pages 324-332.			

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Application No. (if known): 10/824957

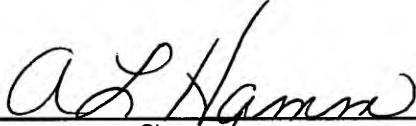
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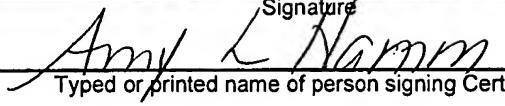
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